

Abstract of the Disclosure

5 A prior message is used to identify groups of messages that may be used for
transmission. The groups of messages contain different numbers of messages, so as a result,
messages from smaller groups may be represented using less bits than messages from larger
groups. The smallest group contains messages with the highest probability of being sent;
therefore, the probability of using a message represented by a smaller number of bits is
maximized. Messages from different groups are transmitted at different power levels to enable a
receiver to determine the message group. As a result, a receiver uses the prior message, the
power level associated with a received message and the received message bits to identify a
10 message.

In another embodiment, a known or current system state, rather than a prior message, is
used to identify groups of messages that may be used for transmitting or receiving.